

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568094

Luminaire Tested: **8SNX-90SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-90SL-LW-UNV-L930-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

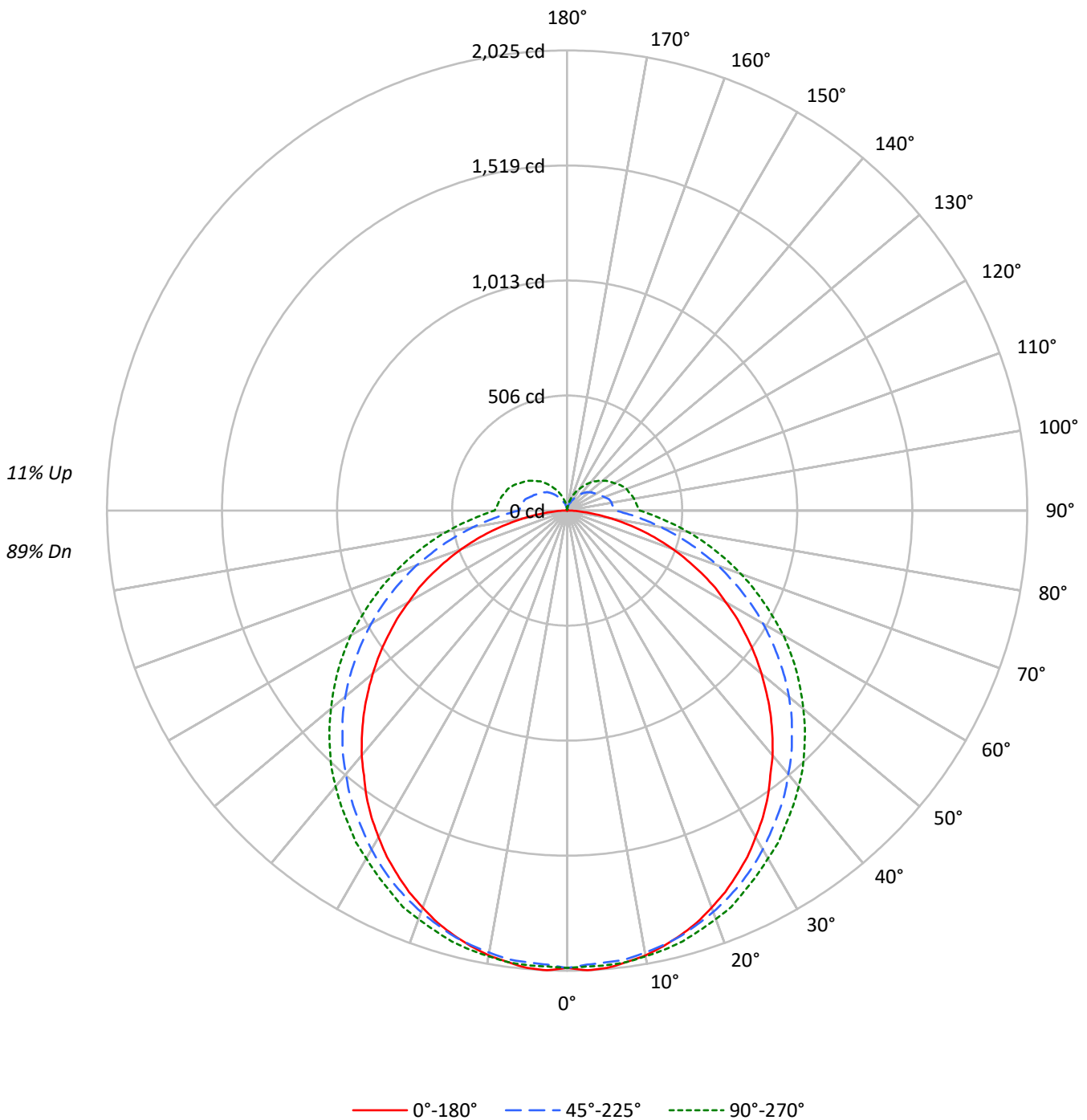
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7164.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 59.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P568094
CATALOG NUMBER: 8SNX-90SL-LW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568094

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L930-CD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10831	10831	10831
5°	10897	10342	10251
10°	10822	9941	9739
15°	10713	9552	9278
20°	10566	9147	8816
25°	10396	8758	8364
30°	10192	8356	7932
35°	9969	7952	7527
40°	9712	7557	7141
45°	9435	7161	6745
50°	9119	6753	6331
55°	8771	6296	5923
60°	8363	5819	5493
65°	7941	5303	5002
70°	7350	4752	4520
75°	6564	4108	4007
80°	5291	3457	3497
85°	3726	2853	2972



TEST NUMBER: P568094

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.1	2.7
10°-20°	549.4	7.7
20°-30°	835.4	11.7
30°-40°	1014.1	14.2
40°-50°	1071.6	15.0
50°-60°	1002.7	14.0
60°-70°	822.8	11.5
70°-80°	565.9	7.9
80°-90°	309.9	4.3
90°-100°	199.6	2.8
100°-110°	179.1	2.5
110°-120°	148.2	2.1
120°-130°	114.1	1.6
130°-140°	80.2	1.1
140°-150°	48.3	0.7
150°-160°	23.1	0.3
160°-170°	7.6	0.1
170°-180°	0.9	0.0
0°-30°	1575.9	22.0
0°-40°	2590.0	36.2
0°-60°	4664.3	65.1
0°-90°	6362.8	88.8
90°-120°	526.9	7.4
90°-150°	769.5	10.7
90°-180°	801.0	11.2
0°-180°	7164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2012	2012	2012	2012	2012	
5°	2021	2016	1996	2012	2008	192
15°	1934	1942	1938	1963	1963	545
25°	1768	1788	1809	1846	1846	815
35°	1539	1577	1622	1668	1680	962
45°	1266	1324	1398	1460	1477	975
55°	963	1042	1137	1207	1232	861
65°	651	739	851	929	954	645
75°	340	432	556	643	672	358
85°	75	178	303	386	415	86
90°	0	100	212	290	320	5
95°	0	95	203	278	307	0
105°	0	79	191	261	286	3
115°	4	70	162	232	261	4
125°	4	58	137	199	224	4
135°	4	46	112	162	183	3
145°	4	33	79	124	137	3
155°	4	21	50	79	91	2
165°	4	12	25	37	46	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568094

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2012.4	2012.4	2012.4	2012.4	2012.4
2.5°	2024.8	2020.7	1999.9	2016.5	2008.2
5°	2020.7	2016.5	1995.8	2012.4	2008.2
7.5°	2004.1	2004.1	1991.6	2008.2	2004.1
10°	1987.5	1987.5	1975.0	1995.8	1991.6
12.5°	1962.6	1966.7	1958.4	1983.3	1979.2
15°	1933.5	1941.8	1937.7	1962.6	1962.6
17.5°	1900.4	1908.7	1908.7	1937.7	1937.7
20°	1858.9	1871.3	1879.6	1912.8	1912.8
22.5°	1817.4	1834.0	1846.4	1875.5	1887.9
25°	1767.6	1788.3	1809.1	1846.4	1846.4
27.5°	1717.8	1742.7	1767.6	1804.9	1809.1
30°	1659.7	1688.7	1721.9	1759.3	1767.6
32.5°	1601.6	1639.0	1672.1	1717.8	1730.2
35°	1539.4	1576.7	1622.4	1668.0	1680.4
37.5°	1468.8	1514.5	1572.6	1622.4	1634.8
40°	1406.6	1456.4	1514.5	1572.6	1585.0
42.5°	1336.1	1390.0	1460.5	1514.5	1535.2
45°	1265.5	1323.6	1398.3	1460.5	1477.1
47.5°	1190.8	1257.2	1340.2	1398.3	1419.0
50°	1116.1	1186.7	1273.8	1340.2	1356.8
52.5°	1041.5	1116.1	1207.4	1273.8	1294.6
55°	962.6	1041.5	1136.9	1207.4	1232.3
57.5°	887.9	966.8	1066.4	1141.0	1165.9
60°	805.0	896.2	995.8	1070.5	1099.6
62.5°	734.4	817.4	925.3	1000.0	1024.9
65°	651.4	738.6	850.6	929.4	954.3
67.5°	572.6	663.9	775.9	858.9	883.8
70°	493.8	585.0	705.4	784.2	813.3
72.5°	414.9	510.4	626.5	713.7	742.7
75°	340.2	431.5	556.0	643.1	672.2
77.5°	261.4	361.0	485.5	572.6	605.8
80°	190.9	294.6	419.1	506.2	539.4
82.5°	128.6	232.4	356.8	444.0	477.2
85°	74.7	178.4	302.9	385.9	414.9
87.5°	37.3	136.9	253.1	336.1	365.1
90°	0.0	99.6	211.6	290.4	319.5
92.5°	0.0	95.4	207.5	282.1	311.2
95°	0.0	95.4	203.3	278.0	307.0
97.5°	0.0	91.3	199.2	278.0	302.9
100°	0.0	87.1	199.2	273.9	298.7
102.5°	0.0	83.0	195.0	269.7	294.6
105°	0.0	78.8	190.9	261.4	286.3
107.5°	4.1	78.8	182.6	257.3	282.1
110°	4.1	74.7	174.3	253.1	278.0



TEST NUMBER: P568094

CATALOG NUMBER: 8SNX-90SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	70.5	166.0	244.8	269.7
115°	4.1	70.5	161.8	232.4	261.4
117.5°	4.1	66.4	153.5	224.1	253.1
120°	4.1	66.4	149.4	215.8	240.7
122.5°	4.1	62.2	141.1	207.5	232.4
125°	4.1	58.1	136.9	199.2	224.1
127.5°	4.1	53.9	132.8	190.9	215.8
130°	4.1	49.8	124.5	182.6	203.3
132.5°	4.1	49.8	120.3	170.1	195.0
135°	4.1	45.6	112.0	161.8	182.6
137.5°	4.1	41.5	103.7	153.5	174.3
140°	4.1	37.3	95.4	145.2	161.8
142.5°	4.1	37.3	87.1	132.8	149.4
145°	4.1	33.2	78.8	124.5	136.9
147.5°	4.1	29.0	70.5	112.0	124.5
150°	4.1	29.0	62.2	99.6	112.0
152.5°	4.1	24.9	53.9	91.3	103.7
155°	4.1	20.7	49.8	78.8	91.3
157.5°	4.1	20.7	41.5	66.4	78.8
160°	4.1	16.6	37.3	53.9	66.4
162.5°	4.1	16.6	33.2	45.6	58.1
165°	4.1	12.4	24.9	37.3	45.6
167.5°	4.1	12.4	20.7	29.0	37.3
170°	4.1	8.3	16.6	20.7	29.0
172.5°	4.1	8.3	12.4	12.4	12.4
175°	4.1	4.1	8.3	8.3	4.1
177.5°	4.1	4.1	4.1	4.1	4.1
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)